

IN THE ABSTRACT

Please delete the Abstract of the Disclosure at page 39, lines 1-11 in its entirety and substitute the Abstract of the Disclosure on the following page attached hereto.

ABSTRACT OF THE DISCLOSUE

A frequency converter configured to convert a first current signal having a first frequency into a second current signal having a second frequency different from the first frequency, including an adder configured to add the first current signal and a predetermined reference current signal to output a third current signal corresponding to the sum of the first current signal and the reference current signal, and a switching circuit configured to pass only that portion of the third current signal which is larger in magnitude than a threshold current to output the second current signal.